Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	426	(715/762).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/27 09:33
L3	156	(715/509).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/27 09:33
L4	957	(715/530).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/27 09:33
L5	5	(("5272628") or ("5781896") or ("6362838") or ("6430584") or ("6442575")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/27 14:36
L6	5	5 and (select$4 with (table or spreadsheet))	US-PGPUB; USPAT	OR	ON	2005/09/27 11:03
L7	2	6 and (select$4 with data)	US-PGPUB; USPAT	OR	ON	2005/09/27 11:03
L9	2	6 and (aggregat$4 with data)	US-PGPUB; USPAT	OR	ON	2005/09/27 11:04
L15	1	5 and workbook	US-PGPUB; USPAT	OR	ON	2005/09/27 14:36
L16	3	5 and work$6	US-PGPUB; USPAT	OR	ON	2005/09/27 15:02
L32	11	(stor$4 or sav$4) with (custom adj search)	US-PGPUB; USPAT	OR	ON	2005/09/27 16:23
L33	107	(stor$4 or sav$4) with (work$book)	US-PGPUB; USPAT	OR	ON	2005/09/27 16:24
L34	17	(stor$4 or sav$4) with (work$book) with database	US-PGPUB; USPAT	OR	ON	2005/09/27 16:24
L35	1	(search$4) with (work$book) with database	US-PGPUB; USPAT	OR	ON	2005/09/27 16:26
L36	9	(search$4) with (work$book)	US-PGPUB; USPAT	OR	ON	2005/09/27 16:24
L37	8	36 not 35	US-PGPUB; USPAT	OR	ON	2005/09/27 16:24
L38	1	(find$4) with (work$book) with database	US-PGPUB; USPAT	OR	ON	2005/09/27 16:26
L39	15	34 not 36	US-PGPUB; USPAT	OR	ON	2005/09/27 16:27
L40	3	(status adj indicator) with work$sheet	US-PGPUB; USPAT	OR	ON	2005/09/27 16:34
L42	290	(status adj indicator) with table	US-PGPUB; USPAT	OR	ON	2005/09/27 16:28
L43	60	(status adj indicator) near table	US-PGPUB; USPAT	OR	ON	2005/09/27 16:28
L46	1	43 and spread$sheet	US-PGPUB; USPAT	OR	ON	2005/09/27 16:28

L47	7007	(log$4 near event)	US-PGPUB; USPAT	OR	ON	2005/09/27 16:34
L48	22	(log$4 near event) with consolidat$4	US-PGPUB; USPAT	OR	ON	2005/09/27 16:35
L51	8	(log$4 near event) with spread$sheet	US-PGPUB; USPAT	OR	ON	2005/09/27 16:43
L52	2	select$4 adj4 work$book adj4 database	US-PGPUB; USPAT	OR	ON	2005/09/27 16:48
L54	29	consolidat$4 with spreadsheet with data	US-PGPUB; USPAT	OR	ON	2005/09/27 16:48
L55	13	54 and work$book	US-PGPUB; USPAT	OR	ON	2005/09/27 16:48
L56	14	54 and work$sheet	US-PGPUB; USPAT	OR	ON	2005/09/27 16:48
L57	13	55 and 56	US-PGPUB; USPAT	OR	ON	2005/09/27 16:48
S2	322	(715/503).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/27 09:33
S3	47	((("(4989141") or ("5189608") or ("6362838") or ("6141651") or ("6246999") or ("5247611") or ("5319777") or ("5416895") or ("5463724") or ("5502805") or ("5572644") or ("5590259") or ("5623591") or ("5664127") or ("5784545") or ("5883623") or ("6104325") or ("5293615") or ("5537590") or ("5604854") or ("6279018") or ("5675637") or ("6128602") or ("5359729") or ("5752253") or ("5960414") or ("5765028") or ("5987541") or ("6211887") or ("6211887") or ("6292810") or ("5272628") or ("5303146") or ("5499180") or ("5537529") or ("5606653") or ("6006239") or ("6049812") or ("6212549") or ("6212549") or ("6256651") or ("6286017") or ("6370562") or ("6463345") or ("6519603") or ("6282551") or ("5819271") or ("6134563") or ("6360188") or ("5018077).pn.")). PN.	US-PGPUB; USPAT	OR	OFF	2005/09/26 16:41

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1 Online analytic processing (OLAP): Spreadsheets in RDBMS for OLAP
Andrew Witkowski, Srikanth Bellamkonda, Tolga Bozkaya, Gregory Dorman, Nathan Folkert,
Abhinav Gupta, Lei Shen, Sankar Subramanian
June 2003 **Proceedings of the 2003 ACM SIGMOD international conference on Management of data**

Full text available: 📄 pdf(182.22 KB)   Additional Information: full citation, abstract, references, citings, index terms

One of the critical deficiencies of SQL is lack of support for n-dimensional array-based computations which are frequent in OLAP environments. Relational OLAP (ROLAP) applications have to emulate them using joins, recently introduced SQL Window Functions [18] and complex and inefficient CASE expressions. The designated place in SQL for specifying calculations is the SELECT clause, which is extremely limiting and forces the user to generate queries using nested views, subqueries and complex joins ...

2 A spreadsheet approach to information visualization
Ed Huai-hsin Chi, Joseph Konstan, Phillip Barry, John Riedl
October 1997 **Proceedings of the 10th annual ACM symposium on User interface software and technology**
Full text available: 📄 pdf(345.52 KB)   Additional Information: full citation, references, citings, index terms

Keywords: information visualization, interactive graphics, spreadsheet, visualization

3 Database in crisis and transition: a technical agenda for the year 2001
David Vaskevitch
May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data,** Volume 23 Issue 2
Full text available: 📄 pdf(492.75 KB)   Additional Information: full citation, abstract, references, citings, index terms

The current paper outlines a number of important changes that face the database community and presents an agenda for how some of these challenges can be met. This database agenda is currently being addressed in the Enterprise Group at Microsoft Corporation. The paper concludes with a scenario for 2001 which reflects the Microsoft vision of "Information at your fingertips."

4 User-oriented criteria for the selection of DSS software
Bernard C. Reimann, Allan D. Waren
February 1985 **Communications of the ACM**, Volume 28 Issue 2

Full text available: pdf(1.29 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

> Both the composition of the selection team and the choice of evaluation criteria should reflect the end-user orientation of DSS software.

5 Articles: The Ecobase project: database and web technologies for environmental information systems
Luc Bouganim, Maria Claudia Cavalcanti, Françoise Fabret, Maria Luiza Campos, François Llirbat, Marta Mattoso, Rubens Melo, Ana Maria Moura, Esther Pacitti, Fabio Porto, Margareth Simoes, Eric Simon, Asterio Tanaka, Patrick Valduriez
September 2001 **ACM SIGMOD Record**, Volume 30 Issue 3

Full text available: pdf(691.59 KB)   Additional Information: full citation, abstract, references, citings, index terms

> A very large number of data sources on environment, energy, and natural resources are available worldwide. Unfortunately, users usually face several problems when they want to search and use relevant information. In the Ecobase project, we address these problems in the context of several environmental applications in Brazil and Europe. We propose a distributed architecture for environmental information systems (EIS) based on the Le Select middleware developed at INRIA. In this paper, we present ...

6 An ada object-based analysis and design approach
Neal L. Walters
August 1991 **ACM SIGAda Ada Letters**, Volume XI Issue 5

Full text available: pdf(1.07 MB)   Additional Information: full citation, abstract, citings, index terms

> Cost and quality are becoming increasingly important for companies developing software for the Federal Government. Since much of the software developed for the Government must he written in Ada, software engineers and managers are searching to improve the process of developing Ada systems.Based on the potential of object-oriented methods-better maintainability, reusability, and intellectual control for large complex systems-we have implemented and are continuing to evolve a real-time object-orie ...

7 Level II technical support in a distributed computing environment
Tim Leehane
September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available: pdf(5.73 MB)   Additional Information: full citation, references, index terms

8 Spreadsheet analysis and design
Boaz Ronen, Michael A Palley, Henry C. Lucas
February 1989 **Communications of the ACM**, Volume 32 Issue 1

Full text available: pdf(860.11 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

> Although spreadsheet programs and microcomputers have revolutionized information processing in organizations, a significant number of serious errors have been reported through the misuse of this technology. This article discusses several different contexts for the development of spreadsheet models and presents structured design techniques for these models.

9 The myths and realities of information technology insourcing

Rudy Hirschheim, Mary Lacity

February 2000 **Communications of the ACM**, Volume 43 Issue 2

Full text available: pdf(161.38 KB)
html(41.98 KB)   Additional Information: full citation, references, citings, index terms, review

10 Field studies: Alternative methods for field usability research

Laurie Kantner, Deborah Hinderer Sova, Stephanie Rosenbaum

October 2003 **Proceedings of the 21st annual international conference on Documentation**

Full text available: pdf(162.63 KB)   Additional Information: full citation, abstract, references, index terms

Field usability research involves observing people in their own environments-for example, workplaces, homes, and schools-to learn their normal or natural behavior. Through field research, we can gain an in-depth understanding of the goals, needs, and activities of people who use the products and documentation we design and develop. This paper introduces three field research methods-condensed contextual inquiry, ethnographic interviewing, and field usability testing-illustrated with a short case ...

Keywords: contextual inquiry, ethnographic interview, usability research, usability testing

11 Establishing a foundation for collaborative scenario elicitation

Ann M. Hickey, Douglas L. Dean, Jay F. Nunamaker

September 1999 **ACM SIGMIS Database**, Volume 30 Issue 3-4

Full text available: pdf(1.94 MB)   Additional Information: full citation, abstract, citings, index terms

Eliciting and integrating requirements from large groups of diverse users remains a major challenge for the software engineering community. Scenarios are becoming recognized as valuable means of identifying actions taken by users when executing a business process and interacting with an information system, and therefore have great potential for addressing requirements elicitation problems. A review of the scenario literature indicates that, although there is widespread agreement on the usefulnes ...

Keywords: IS development methods and tools, group support systems, information requirements determination, participative design, scenarios

12 Beyond familiar shores: faculty teaching with technology

JoAnn C. Ullery

November 2002 **Proceedings of the 30th annual ACM SIGUCCS conference on User services**

Full text available: pdf(179.75 KB)   Additional Information: full citation, abstract, references, index terms

The integration of technology in classrooms has had a positive impact on student achievement. But an investment of time is necessary to move technology from a part-time tool to an active tool, fully integrated into the curriculum. Also, in order to provide technology in the classroom, educators must receive professional staff training on how to effectively use technology. This paper discusses web use as a professional source of development and curriculum materials, and how to integrate technolog ...

Keywords: academic, campus needs, curriculum, education, faculty development, higher education, instructional technology, learning, retention, teaching, technology, web-based

training

13 Re-centralizing: the pendulum wobbles back

Don M. Wee

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available: pdf(533.41 KB)   Additional Information: full citation, references, index terms

14 Process migration

September 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 3

Full text available: pdf(1.24 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Process migration is the act of transferring a process between two machines. It enables dynamic load distribution, fault resilience, eased system administration, and data access locality. Despite these goals and ongoing research efforts, migration has not achieved widespread use. With the increasing deployment of distributed systems in general, and distributed operating systems in particular, process migration is again receiving more attention in both research and product development. As hi ...

Keywords: distributed operating systems, distributed systems, load distribution, process migration

15 System demonstrations (a): Technology transfer of inter-agency government services and their transnational feasibility studies

Nabil R. Adam, Vijayalakshmi Atluri, Soon Ae Chun, Patrizia Fariselli, Julia Culver Hopper, Olana Bojic, Rick T. Stewart, Jim Fruscione, Nick Mannochio

May 2005 **Proceedings of the 2005 national conference on Digital government research dg.o2005**

Full text available: pdf(64.97 KB)   Additional Information: full citation, abstract, references

As a part of technology transfer efforts for New Jersey State government interagency business integration and data sharing, we address Streamlined Revenue Management initiatives for Division of Revenue to integrate budget planning and reporting process, and to implement scalable database and retrieval system for large-scale data from the State and Federal income tax E-filings. The business service integration model is also compared with those in EU counterparts, in terms of available business se ...

16 Extending worksheet modelling software with expert system technology

Gerald A. Sullivan, Kenneth J. Fordyce

May 1986 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL**, Volume 16 Issue 4

Full text available: pdf(783.40 KB)   Additional Information: full citation, abstract, references, index terms

As a result of the rapid changes in the "information processing technology", existing programming languages like APL are facing a number of challenges to maintain or increase "market share". Such technologies as networks, worksheets, expert or knowledge based systems, host / workstation shared processing, software quality, and end user computing are of concern to the consumer of programming languages. It is the contention of these authors and others that APL already ...

17

Software reuse

Charles W. Krueger
June 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 2

Full text available: pdf(4.96 MB)   Additional Information: full citation, abstract, references, citings, index terms

> Software reuse is the process of creating software systems from existing software rather than building software systems from scratch. This simple yet powerful vision was introduced in 1968. Software reuse has, however, failed to become a standard software engineering practice. In an attempt to understand why, researchers have renewed their interest in software reuse and in the obstacles to implementing it. This paper surveys the different approaches to software reuse found in the ...

> **Keywords**: abstraction, cognitive distance, software reuse

18 Warehouse design through dynamic simulation
Mark Kosfeld
December 1998 **Proceedings of the 30th conference on Winter simulation**

Full text available: pdf(46.44 KB)   Additional Information: full citation, references, index terms

19 Online services as distributed meeting support software
Harold Emanuel, Fred Niederman, Stewart Shapiro
April 1995 **Proceedings of the 1995 ACM SIGCPR conference on Supporting teams, groups, and learning inside and outside the IS function reinventing IS**

Full text available: pdf(955.67 KB)   Additional Information: full citation, references, index terms

20 Lotus 1-2-3 for mainframes (bringing a product to market)
Kevin R. Weaver
May 1985 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL: APL and the future**, Volume 15 Issue 4

Full text available: pdf(480.85 KB)   Additional Information: full citation, abstract, index terms

> The number of widely-used, business oriented APL applications is few. It's difficult to pinpoint why — other than to reflect on the complexities of conceiving a marketable product and executing the development, release, sale and promotion, distribution, and ongoing support for a product. Although many companies provide APL services, and many custom applications have been developed for specific needs, the ability to bring a mainframe APL product to market and have it succeed seems corn ...

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